

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended): A data transmission device in which a reception result of transmission data is confirmed on ground of a reception result notification transmitted from a receiving-end machine, comprising:

a transmission data generation section which generates the transmission data and a reception result request to be transmitted to the receiving-end machine; ~~and~~

a transmission control section which controls and causes the transmission data generation section to generate the transmission data and transmits the generated transmission data and the reception result request simultaneously to the receiving-end machine; and

a transmitting-end storing section which stores lists indicative of whether or not a format of the transmission data is to be altered when the transmission data is retransmitted, the lists being set with respect to the receiving-end machine,

the transmission control section stopping generating retransmission data and canceling the transmission when a communication error has nothing to do with a receiving capability of the receiving-end machine,

when retransmitting the transmission data, the transmission control section determining whether or not the format of the transmission data is to be altered based on the lists, causing the transmission data generation section to generate the retransmission data with a format altered from the format of the transmission data if the transmission control section determines alteration of the format is needed, and causing the transmission data generation section not to alter the format of the transmission data if the transmission control section determines the alteration of the format is not needed,

when the transmission control section determines the alteration of the format is needed and when the reception result notification includes receiving capability information, the

transmission control section retransmitting the retransmission data with the format altered from the format of the transmission data in accordance with the receiving capability information,

the receiving capability information including (i) whether the receiving-end machine is capable of only monochrome printing or capable of both monochrome printing and color printing, (ii) a format of image data processable in the receiving-end machine, (iii) resolution of printing in the receiving-end machine, (iv) an aspect ratio of image data printable in the receiving-end machine, (v) an encoding scheme processable in the receiving-end machine, (vi) whether or not the receiving-end machine is capable of processing image data indicative of images with different encoding schemes and with different resolutions within one page, and (vii) a size of paper printable in the receiving-end machine,

when a communication error occurs the transmission control section determines the alteration of the format is needed and when the reception result notification does not include the receiving capability information, the transmission control section determines determining whether or not a the number of times of actual retransmissions retransmission of the transmission data is less than a predetermined set number of times to be retransmitted,

when if the number of times of actual retransmissions retransmission is less than the predetermined set number of times, the transmission data is retransmitted transmission control section retransmitting the transmission data without altering its format to the receiving-end machine, and

when if the number of times of actual retransmissions retransmission is equal to or greater than the predetermined set number of times, the transmission data with transmission control section retransmitting, to the receiving-end machine, the retransmission data obtained by altering at least one of an image format and a compression format different from its previous format is retransmitted to the receiving-end machine of the transmission data to a predetermined basic format.

Claim 2 (original): The data transmission device as defined in claim 1, wherein, when the retransmission data is generated, the transmission control section causes the retransmission data to have a most accepted format.

Claim 3 (original): The data transmission device as defined in claim 1, wherein, when the retransmission data is generated, if a capability of the receiving-end machine is suggested in the reception result notification, the transmission control section causes the retransmission data to have a format corresponding to the capability.

Claim 4 (original): The data transmission device as defined in claim 1, wherein,
the transmission data includes image data, and
the transmission control section alters a format of the image data of the transmission data, so as to cause the transmission data generation section to generate the retransmission data.

Claim 5 (original): The data transmission device as defined in claim 1, wherein, when the communication error is a transmission error which is nothing to do with a capability of the receiving-end machine, the transmission control section calls off generation of the retransmission data.

Claim 6 (original): The data transmission device as defined in claim 1, further comprising an operating section which displays information for a user and receives instructions from the user,
wherein, the transmission control section controls and causes the operating section to display a format of the retransmission data for a user, and after receiving a retransmission instruction from the user, retransmits the retransmission data.

Claim 7 (original): The data transmission device as defined in claim 1, wherein, the transmission control section controls and causes the transmission data generation section to generate transmission data made up of e-mail data.

Claim 8 (currently amended): A data transmission method in a transmitting-end machine, by which a reception result of transmission data is confirmed on ground of a reception result notification transmitted from a receiving-end machine, comprising the steps of:

(a) a transmission data generation section included in the transmitting-end machine generating transmission data and a reception result request to be transmitted to the receiving-end machine; and

(b) a transmission control section included in the transmitting-end machine transmitting the transmission data and the reception result request simultaneously to the receiving-end machine, and

the transmission control section stopping generating retransmission data and canceling the transmission when a communication error has nothing to do with a receiving capability of the receiving-end machine,

when retransmitting the transmission data, the transmission control section determining whether or not a format of the transmission data is to be altered based on lists indicative of whether or not the format of the transmission data is to be altered when the transmission data is retransmitted, the lists being set with respect to the receiving-end machine, the transmission control section causing the transmission data generation section to generate the retransmission data with a format altered from the format of the transmission data if the transmission control section determines alteration of the format is needed, and causing the transmission data generation section not to alter the format of the transmission data if the transmission control section determines the alteration of the format is not needed,

when the transmission control section determines the alteration of the format is needed and when the reception result notification includes receiving capability information, the transmission control section retransmitting the retransmission data with the format altered from the format of the transmission data in accordance with the receiving capability information,

the receiving capability information including (i) whether the receiving-end machine is capable of only monochrome printing or capable of both monochrome printing and color printing, (ii) a format of image data processable in the receiving-end machine, (iii) resolution of printing in the receiving-end machine, (iv) an aspect ratio of image data printable in the receiving-end machine, (v) an encoding scheme processable in the receiving-end machine, (vi) whether or not the receiving-end machine is capable of processing image data indicative of images with different encoding schemes and with different resolutions within one page, and (vii) a size of paper printable in the receiving-end machine,

~~(c) when a communication error occurs,~~ when the transmission control section determines the alteration of the format is needed and when the reception result notification does not include the receiving capability information, the transmission control section determining whether or not a the number of times of actual retransmissions-retransmission of the transmission data is less than a predetermined set number of times to be retransmitted,

~~when if~~ the number of times of actual retransmissions-retransmission is less than the predetermined set number of times, the transmission control section retransmitting the transmission data is retransmitted without altering its format to the receiving-end machine, and

~~when if~~ the number of times of actual retransmissions-retransmission is equal to or greater than the predetermined set number of times, the transmission control section retransmitting, to the receiving-end machine, transmission data with the retransmission data obtained by altering at least one of an image format and a compression format different from its previous format is retransmitted to the receiving-end machine of the transmission data to a predetermined basic format.

Claim 9 (original): A communication system, comprising the data transmission device defined in claim 1.

Claim 10 (previously presented): A computer-readable medium encoded with computer executable instructions for executing a data transmission program, causing a computer of an information communication device to function as the transmission data generation section and transmission control section of the data transmission device defined in claim 1.

Claim 11 (previously presented): A computer-readable medium encoded with computer executable instructions for executing a data transmission program, causing a computer of an information communication device to execute the steps (a), (b), and (c) of the data transmission method defined in claim 8.

Claim 12 (previously presented): A computer-readable medium encoded with computer executable instructions, recording the data transmission program defined in claim 10.

Claim 13 (previously presented): A computer-readable medium encoded with computer executable instructions, recording the data transmission program defined in claim 11.

Claim 14 (previously presented): A data reception device, which receives the transmission data transmitted from the data transmission device defined in claim 1 and returns a reception result notification corresponding to the reception result, comprising:

a storing section which stores information of transmission data having already been received; and

a reception control section which determines whether newly-received transmission data is retransmission data of the transmission data having already been received or initial transmission data being different from the retransmission data, on ground of the information stored in the storing section,

wherein the data reception device returns the reception result notification to the data transmission device upon receipt of the transmission data, and the data transmission device generates the retransmission data based on the reception result.

Claim 15 (original): The data reception device as defined in claim 14, wherein, the reception control section causes the storing section to store a communication management table which stores (i) an identifier of the transmission data having already been received and (ii) related information of the transmission data having already been received, in association with each other.

Claim 16 (original): The data reception device as defined in claim 15, wherein, when the newly-received transmission data is determined as the retransmission data, the reception control section causes the communication management table to store an identifier of initial transmission data regarding the retransmission data, as related information of the retransmission data.

Claim 17 (original): The data reception device as defined in claim 15, wherein, when the newly-received transmission data is determined as the retransmission data, the reception control section updates related information of initial transmission data regarding the retransmission data, in accordance with a reception result of the retransmission data.

Claim 18 (original): The data reception device as defined in claim 14, wherein, a transmission control section of the data transmission device causes the initial transmission data and retransmission data regarding this initial transmission data to share a single first ID, and
on ground of this first ID, the reception control section determines whether the newly-received transmission data is retransmission data or initial transmission data.

Claim 19 (original): The data reception device as defined in claim 18, wherein, the reception control section causes the first ID attached to the transmission data to be included in the reception result notification.

Claim 20 (original): The data reception device as defined in claim 18, wherein, in addition to the first ID, the transmission control section of the data transmission device causes a second ID in the transmitted reception result notification to be included in retransmission data regarding this transmitted reception result notification, and
on ground of the first or second ID, the reception control section determines whether newly-received transmission data is retransmission data or initial transmission data.

Claim 21 (original): The data reception device as defined in claim 14, wherein, a transmission control section of the data transmission device causes a second ID in transmitted reception result notification to be included in retransmission data regarding this transmitted reception result notification, and
on ground of this second ID, the reception control section determines whether newly-received transmission data is retransmission data or initial transmission data.

Claims 22-23 (canceled)

Claim 24 (currently amended): A communication system, comprising:

a data transmission device in which a reception result of transmission data is confirmed on ground of a reception result notification transmitted from a receiving-end machine; and
a data reception device which receives the transmission data transmitted from the data transmission device and returns a reception result notification corresponding to the reception result, the data transmission device[[,]] comprising:

a transmission data generation section which generates the transmission data and a reception result request to be transmitted to the receiving-end machine; ~~and~~

a transmission control section which controls and causes the transmission data generation section to generate the transmission data, and transmits the generated transmission data and the reception result request simultaneously to the receiving-end machine[[,]]; and

a transmitting-end storing section which stores lists indicative of whether or not a format of the transmission data is to be altered when the transmission data is retransmitted, the lists being set with respect to the receiving-end machine,

the transmission control section stopping generating retransmission data and canceling the transmission when a communication error has nothing to do with a receiving capability of the receiving-end machine,

when retransmitting the transmission data, the transmission control section determining whether or not the format of the transmission data is to be altered based on the lists, causing the transmission data generation section to generate the retransmission data with a format altered from the format of the transmission data if the transmission control section determines alteration of the format is needed, and causing the transmission data generation section not to alter the format of the transmission data if the transmission control section determines the alteration of the format is not needed,

when the transmission control section determines the alteration of the format is needed and when the reception result notification includes receiving capability information, the transmission control section retransmitting the retransmission data with the format altered from the format of the transmission data in accordance with the receiving capability information,

the receiving capability information including (i) whether the receiving-end machine is capable of only monochrome printing or capable of both monochrome printing and color

printing, (ii) a format of image data processable in the receiving-end machine, (iii) resolution of printing in the receiving-end machine, (iv) an aspect ratio of image data printable in the receiving-end machine, (v) an encoding scheme processable in the receiving-end machine, (vi) whether or not the receiving-end machine is capable of processing image data indicative of images with different encoding schemes and with different resolutions within one page, and (vii) a size of paper printable in the receiving-end machine.

when a communication error occurs, the transmission control section determines the alteration of the format is needed and when the reception result notification does not include the receiving capability information, the transmission control section determining whether or not a the number of times of actual retransmissions-retransmission of the transmission data is less than a predetermined set number of times to be retransmitted,

when if the number of times of actual retransmissions-retransmission is less than the predetermined set number of times, the transmission control section retransmitting the transmission data is retransmitted without altering its format to the receiving-end machine, and

when if the number of times of actual retransmissions-retransmission is equal to or greater than the predetermined set number of times, the transmission data-with-control section retransmitting the retransmission data obtained by altering at least one of an image format and a compression format different from its previous format is retransmitted to the receiving-end machine of the transmission data to a predetermined basic format,[[;]] and

a the data reception device which receives the transmission data transmitted from the data transmission device and returns a reception result notification corresponding to the reception result, comprising:

a storing section which stores information of transmission data having already been received; and

a reception control section which determines whether newly-received transmission data is retransmission data of the transmission data having already been received or initial transmission data being different from the retransmission data, on ground of the information stored in the storing section.

Claim 25 (previously presented): A computer-readable medium encoded with computer executable instructions for executing a data reception program, causing a computer of an information communication device to function as the reception control section of the data reception device defined in claim 14.

Claim 26 (canceled)

Claim 27 (previously presented): A computer-readable medium encoded with computer executable instructions, storing the data reception program defined in claim 25.

Claim 28 (canceled)

Claim 29 (previously presented): The data transmission device as defined in claim 1, wherein the data transmission device has a MDN function, and the reception result request is derived from the MDN function.

Claim 30 (currently amended): The data transmission method as defined in claim 8, wherein the ~~data transmission method~~transmitting-end machine has a MDN function, and the reception result request is derived from the MDN function.